

MORSE TUTOR (again)

In the June '85 issue of *Your Computer* we published a Morse Tutor program written by Basil Heath for the TRS-80 MC10. It was wrongly listed as being intended for the VZ200. As a result, Basil received several letters and phone calls from VZ200 users who pointed out first that the print had been reduced so much it was difficult to read, and second that the program didn't work (for obvious reasons).

Basil has very kindly collaborated with a friend who owns a VZ200 in rewriting his program for that machine. Here we've listed both versions (with the right machine headings, this time). Our apologies to the many people we misled by this mistake.

```

1 REM MORSE TUTOR PROGRAM:CLS
2 PRINT"Auto-RUN":PRINT"YES(1)":PRINT"NO(2)":"
4 CLEAR 500
5 DATA 63,62,60,56,48,32,33,35,39,47,6,17,21,9,2,20,11,16,4,30
6 DATA 13,18,7,5,15,22,27,10,8,3,12,24,14,25,29,19
7 INPUTR:DIMB$(36)
8 FORI=1TO36:READJ:LETB$(I)=CHR$(J)
9 NEXTI:CLS
10 INPUT"SPEED(WPM)(MAX 10)?":SPEED
11 LET SPEED=5.0/SPEED
12 INPUT"DELAY(0-15)?":DELAY:DELAY=DELAY*50
13 INPUT"NO:-CHARACTERS(MAX 200)":N
14 INPUT"LETTERS(1)NUMBERS(2)OR BOTH(3)?":L
15 DIM T$(N)
16 CLS:PRINTTAB(5)"MORSE TUTOR PROGRAM":FORI=1TON
17 LETT$(I)=CHR$(RND(10*-1*(L<>1)+26*-1*(L<>2))+10*-1*(L=1))
18 NEXTI:FORI=1TON
19 LETX=ASC(B$(ASC(T$(I))))
20 GOSUB65
23 IF I=INT(1/5)*5THEN29
25 IFI=NTHEN32
27 NEXTI
29 FOR Z=1 TO INT(200*SPEED+(DELAY*5)):NEXTZ
30 GOTO25
32 FORI=1TON
34 IF ASC(T$(I))>10 THEN39
37 PRINTCHR$(ASC(T$(I))+47);
38 GOTO40
39 PRINTCHR$(ASC(T$(I))+54);
40 IF I=INT(1/25)*25THEN46
41 IF I=INT(1/5)*5THEN44
42 IF I=NTHEN49
43 NEXTI
44 PRINT" ";
45 GOTO42
46 PRINT
47 GOTO42
49 IF R<>2THEN90:PRINT:PRINT:PRINT
50 PRINT"PRESS KEY(1)(ENTER) TO RE-TRY"
51 PRINT"PRESS KEY(2)(ENTER) TO EXIT"
52 INPUTP:IFP<2THEN16
53 DATA 80,82,79,71,82,65,77,32,66,89,58,45,32,66,46,72,69,65
54 DATA 84,72,32,86,75,52,65,66,72
55 CLS:PRINT:PRINT
57 FORI=1TO27
59 READA
61 PRINT CHR$(A);
63 NEXTI:END
65 LETY=X/2:LETX=INT(Y)
67 Q=(2*SPEED*(1+(Y-X)*4))
70 SOUND25,Q
75 IFX=1THEN80
77 FORZ=1TOINT(40*SPEED):NEXTZ
78 GOTO65
80 FORZ=1TOINT(120*SPEED+(DELAY*3)):NEXTZ
85 RETURN
90 PRINT:PRINT:PRINT"PRESS-'BREAK'-TO EXIT"
95 FORI=1TO10000:NEXTI:GOTO16

```